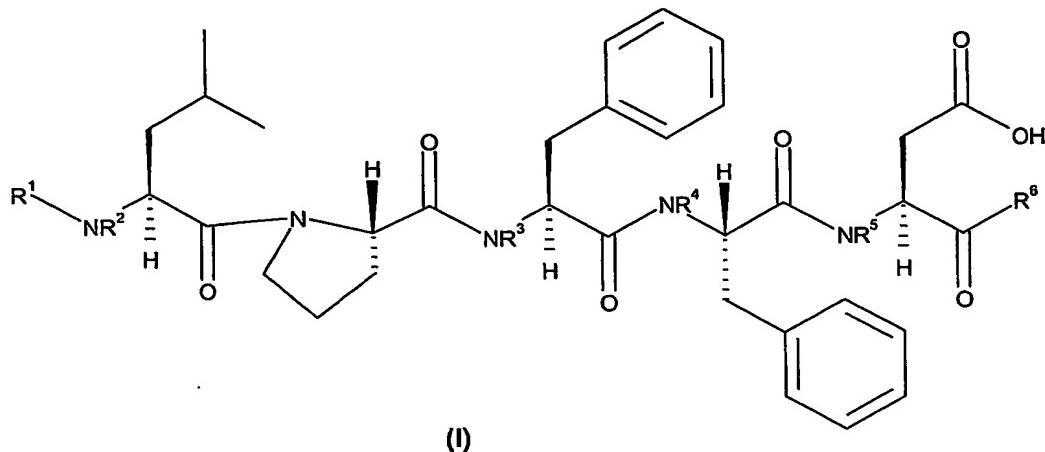


What is claimed:

1. A compound of the general Formula I:



5 wherein:

$R^1$  is selected from H and  $C_2$ - $C_6$ -acyl;

$R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are independently selected from H and  $C_1$ - $C_6$ -alkyl and at least one among  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  is  $C_1$ - $C_6$ -alkyl;

$R^6$  is selected from OH and  $NR^7R^8$  wherein  $R^7$  and  $R^8$  are independently selected from H and  $C_1$ - $C_6$ -alkyl; and salts and tritiated derivatives thereof.

10 2. A compound according to claim 1, wherein  $R^1$  is  $C_2$ - $C_6$ -acyl.

3. A compound according to claim 1, wherein  $R^1$  is selected from formyl,

15 acetyl, propionoyl and butyroyl.

4. A compound according to claim 1, wherein  $R^1$  is acetyl.

5. A compound according to claim 1, wherein the stereochemistry at all the

20  $\alpha$ -carbon atoms is L;

6. A compound according to claims 1 to 5, wherein  $R^6$  is  $NR^7R^8$  wherein  $R^7$  and  $R^8$  are independently selected from H and  $C_1$ - $C_6$ -alkyl and the stereochemistry at all the  $\alpha$ -carbon atoms is L.

7. A compound according to any one of the preceding claims, wherein R<sup>6</sup> is NH<sub>2</sub>.

5 8. A compound according to any one of the preceding claims wherein R<sup>2</sup> is H; R<sup>4</sup> and R<sup>5</sup> are independently selected from H and methyl.

9. A compound according to any one of the preceding claims, wherein R<sup>3</sup> is methyl.

10 10. A compound according to claim 9, wherein R<sup>2</sup>, R<sup>4</sup> and R<sup>5</sup> are H.

11. A compound of claim 9 wherein R<sup>4</sup> and R<sup>5</sup> are methyl; R<sup>2</sup> is H.

15 12. A compound of claim 9 wherein R<sup>5</sup> is methyl; R<sup>2</sup> and R<sup>4</sup> are H.

13. A compound of claim 9 wherein R<sup>4</sup> is methyl; R<sup>2</sup> and R<sup>5</sup> is H.

14. A compound according to any one of the preceding claims selected from the  
20 following group:

Ac-Leu-Pro-N(Me)-Phe-Phe-Asp-NH<sub>2</sub>

Ac-Leu-Pro-Phe-N(Me)-Phe-Asp-NH<sub>2</sub>

25 Ac-Leu-Pro-Phe-N(Me)-Phe-N(Me)-Asp-NH<sub>2</sub>

Ac-Leu-Pro-N(Me)-Phe-Phe-N(Me)-Asp-NH<sub>2</sub>

30 Ac-Leu-Pro-N(Me)-Phe-N(Me)-Phe-Asp-NH<sub>2</sub>

Ac-Leu-Pro-N(Me)-Phe-N(Me)-Phe-N(Me)-Asp-NH<sub>2</sub>

Ac-Leu-[<sup>3</sup>H]Pro-N(Me)-Phe-Phe-Asp-NH<sub>2</sub>

15. A compound according to any one of the preceding claims for use as a medicament.

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16. A pharmaceutical composition comprising a compound according to any one of claims 1 to 14, and a pharmaceutically acceptable excipient, diluent or carrier.

10 17. Use of a compound according to any one of claims 1 to 14 for the manufacture of a medicament for the treatment or prevention of a disease or condition selected from Alzheimer's disease, Dementia pugilistica (including head trauma), Hereditary Cerebral Haemorrhage with amyloidosis of the Dutch type (HCHWA-D) and vascular dementia with amyloid angiopathy.

15 18. Use according to claim 17, wherein the disease is Alzheimer's disease.

19. Use of a compound according to any one of claims 1 to 14, for the preparation of a medicament for the treatment of a disease associated with abnormal protein folding into amyloid and amyloid-like deposits.